

ABSTRACT

Method and apparatus for galvanically isolated voltage sensing circuit. A circuit includes a scaling device that provides a scaled signal of an input voltage to a modulator. An oscillator provides a carrier frequency to the modulator, the modulator modulating the scaled signal with the carrier frequency to produce a modulated scaled signal. An isolation transformer is coupled to an output of the modulator. The isolation transformer receives the modulated scaled signal. A demodulator is coupled to an output of the isolation transformer and demodulates the modulated scaled signal to produce an input voltage signal representative of the scaled signal.